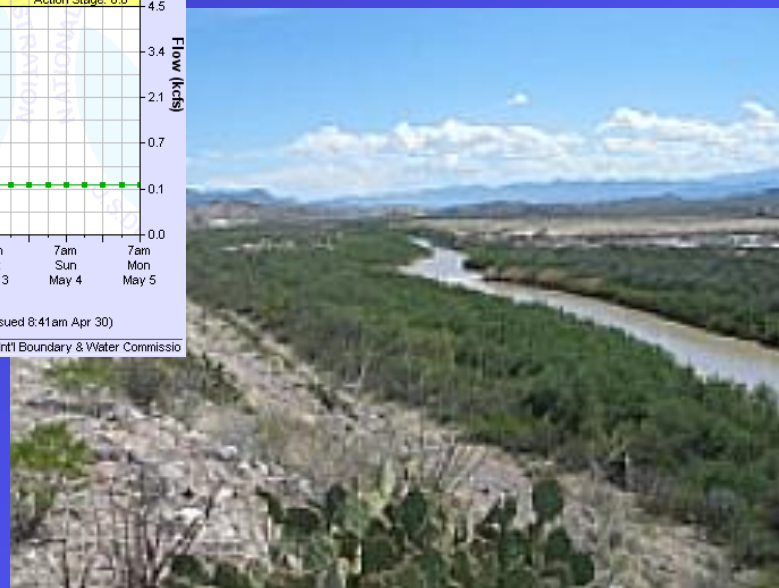
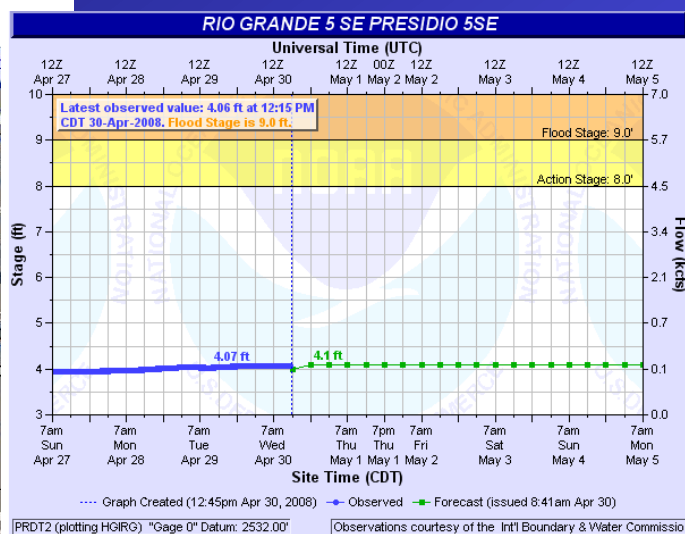
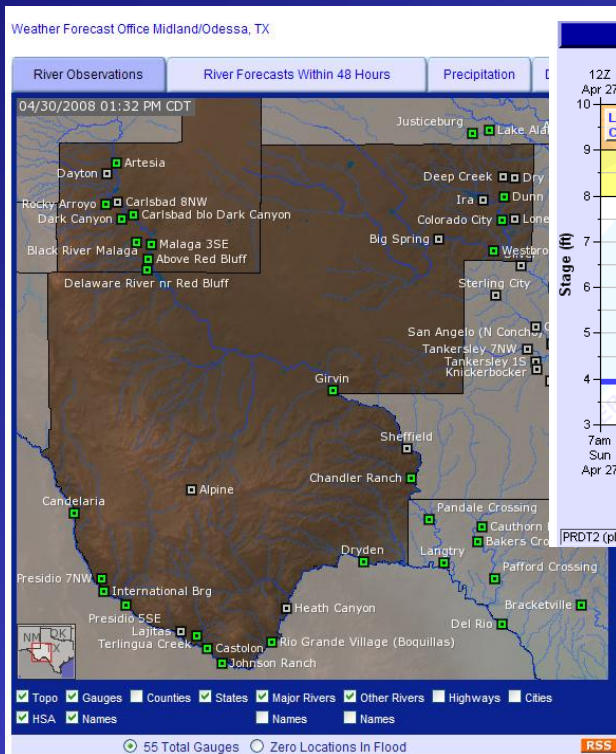




# National Weather Service Advanced Hydrologic Prediction Service



# AHPS RSS Feeds AKA – EMAIL NOTIFICATION & MORE



May 7, 2008

Advanced Hydrologic Prediction Service  
RSS Feeds – Diane Cooper



How would you like it if someone made your life just a little bit easier? What if:

- The NWS severe weather watch and warning information arrived in your email automatically?
- The latest river stage observations, forecasts, and alerts for the Rio Grande River Basin arrived in your inbox as you sipped your morning coffee?
- Or the current temperature and weather conditions were delivered to you – just like the newspaper?



## What is RSS?

- RSS stands for Really Simple Syndication.
- Easy way to get important information.
- Information delivered “pushed” directly to a “feed”.
- Does not need to clutter your email inbox.
- Does not require you to browse websites to get information.
- Written in the Internet coding language known as XML (eXtensible Markup Language)





## Uses of National Weather Service RSS Feeds

RSS provides an automatic feed of:

- River levels, forecasts and alert stages.
- Weather & flood warnings.
- Weather & flood watches.
- Hurricane information.
- Weather observations.
- & more.



The screenshot shows the NOAA's NWS RSS Library page. It features a navigation bar with links to Site Map, News, Organization, and Search. A sidebar on the left lists various weather services like Local forecast, Warnings, Observations, and Forecasts. The main content area is titled 'NOAA's NWS RSS Library' and explains RSS (Really Simple Syndication). It includes a table with links for 'What is RSS?', 'Download an RSS Reader', 'What is Podcasting', and 'Download Podcasting Software'. Below this, there is a section for 'RSS Feeds' listing categories like Hurricane/Tropical Cyclones, Severe Weather, Tsunami Warnings, and River Conditions / Hydrology, each with sub-links to specific feeds.

RSS Feed	Podcasting
<a href="#">What is RSS?</a>	<a href="#">What is Podcasting</a>
<a href="#">Download an RSS Reader</a>	<a href="#">Download Podcasting Software</a>

**RSS Feeds**

- **Hurricane/Tropical Cyclones**
  - Atlantic/Caribbean/Gulf of Mexico/Eastern Pacific
  - Central Pacific Hurricane Advisories
- **Severe Weather**
  - Severe Weather Outlooks & Watches, Mesoscale Discussions, Status Reports
  - Watch/Warnings/Advisories
- **Tsunami Warnings**
  - U.S. West Coast, British Columbia, and Alaska
  - Hawai'i
  - Puerto Rico/U.S. Virgin Is.
  - Pacific Ocean
  - Indian Ocean
- **River Conditions / Hydrology**
  - Observed River Conditions - Eastern U.S.
  - Routine Daily Forecasts of River Conditions - Eastern U.S.

<http://www.weather.gov/rss/>



TREN4 (plotting HGIRG) "Gage 0"

Printable Image

About this graph

Tabular Data

**XML**

**RSS**

NOTE: Th  
rainfall. F  
rainfall d

NOTE: Fo  
Trenton a

```
<?xml version="1.0" standalone="yes" ?>
- <site xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" generationtime="2006-11-09T21:09:24-
  timezone="EST5EDT" originator="PHI" name="MILLSTONE RIVER AT Blackwells Mills" id="BKWN4"
  xsi:noNamespaceSchemaLocation="http://weather.gov/ohd/hydroxc/schemas/hydrogen/HydroGenDa
- <disclaimers>
  <AHPSXMLversion>1.1</AHPSXMLversion>
  <status>Experimental</status>
  <quality trace="observed">not manually quality-controlled</quality>
  <observed trace="observed" audience="public" />
  <general audience="public" />
  <standing trace="forecast" audience="internal" dignity="unofficial">Forecast data shown here are guida
    Please refer to your local NWS office for the latest official public river forecasts.</standing>
</disclaimers>
- <sigstages>
  <low units="ft">-999</low>
  <action units="ft">7.0</action>
  <bankfull units="ft">0</bankfull>
  <flood units="ft">9.0</flood>
  <moderate units="ft">10.0</moderate>
  <major units="ft">15.0</major>
  <record units="ft">21.0</record>
</sigstages>
- <sigflows>
  <low units="kcfs">-1</low>
  <action units="kcfs">2.58</action>
  <flood units="kcfs">4</flood>
  <bankfull units="kcfs">-1</bankfull>
  <moderate units="kcfs">4.95</moderate>
  <major units="kcfs">12.3</major>
  <record units="kcfs">26.2</record>
</sigflows>
<zerodatum units="ft MSL">27.0</zerodatum>
```

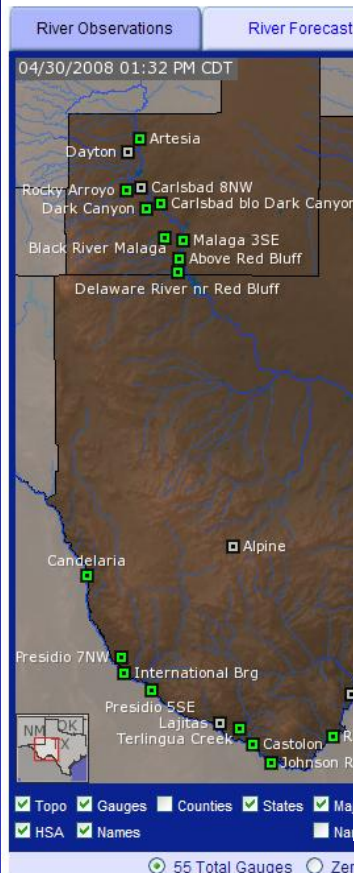
And eight  
additional pages  
of the same...



# National Weather Service Advanced Hydrologic Prediction Service



Weather Forecast Office Midland/Odessa, TX



## Alert - PRDT2 - Rio Grande near Rio Grande 5SE Presidio (Texas)



Alert conditions are not currently being met.

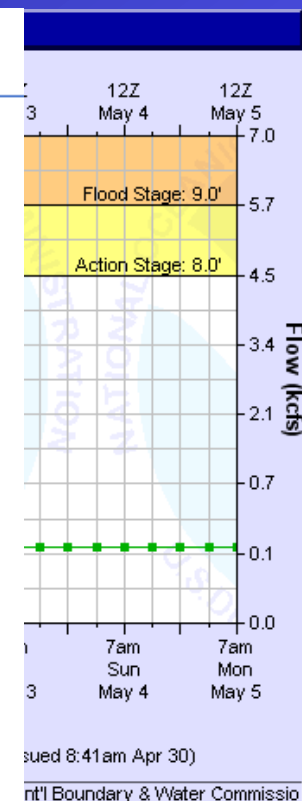
Alert Stage: 8.0 ft  
Flood Stage: 9.0 ft

Latest Observation: 4.06 ft  
Observation Time: Apr 30, 2008 12:15 PM CST

Highest Forecast: 4.1 ft  
Highest Forecast Time: Apr 30, 2008 06:00 PM CST

Last Forecast: 4.1 ft  
Last Forecast Time: May 5, 2008 06:00 AM CST

AHPS Hydrologic Service Area Homepage:  
<http://ahps.srh.noaa.gov/ahps2/index.php?wfo=maf>



May 7, 2008

Advanced Hydrologic Prediction Service  
RSS Feeds



# How Do I Get Started??

## 1) Identify your RSS Reader of choice (may be as simple as your email account)

### The “Short” List of RSS Readers

#### Email Applications

- Thunderbird
- Microsoft Outlook

#### Browsers

- Internet Explorer 7
- Firefox + Sage
- Opera

#### Subscribe to a service

- Squeet
- Feedblitz

☀ Or search for “RSS Readers” in your favorite Internet search engine



# Mozilla Thunderbird

[http://kb.mozillazine.org/RSS\\_basics\\_\(Thunderbird\)](http://kb.mozillazine.org/RSS_basics_(Thunderbird))

## Thunderbird Mail - News & Blogs

### RSS News & Blogs



Manage subscriptions

### Accounts



View settings for this account



Create a new account

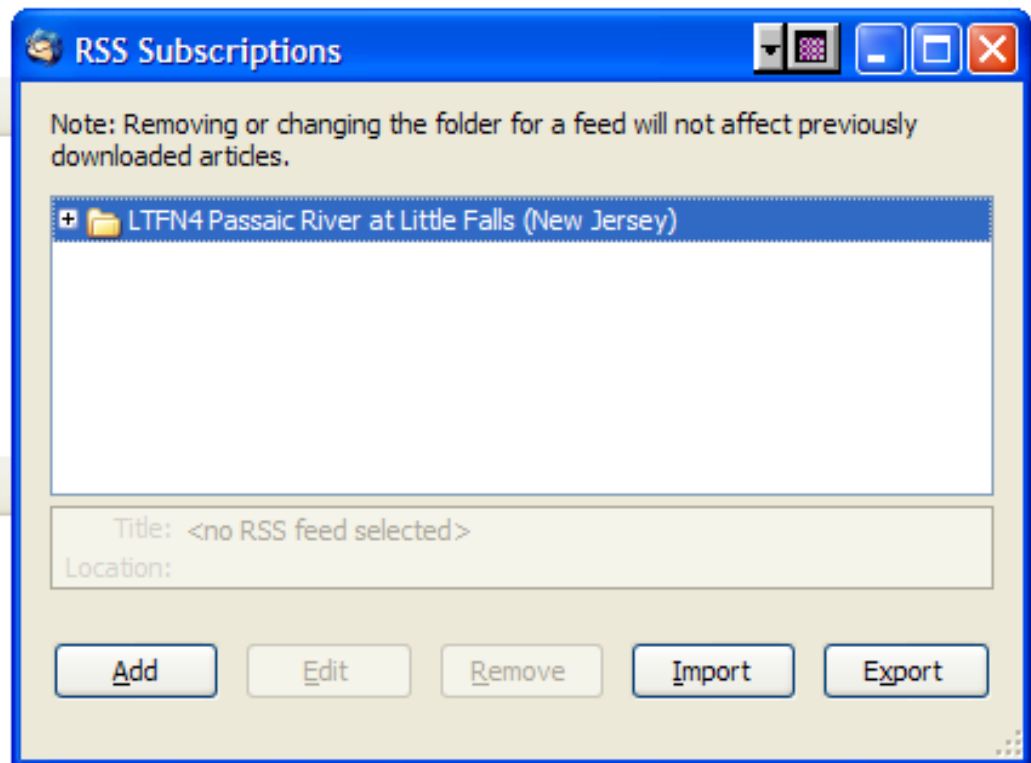
### Advanced Features



Search messages

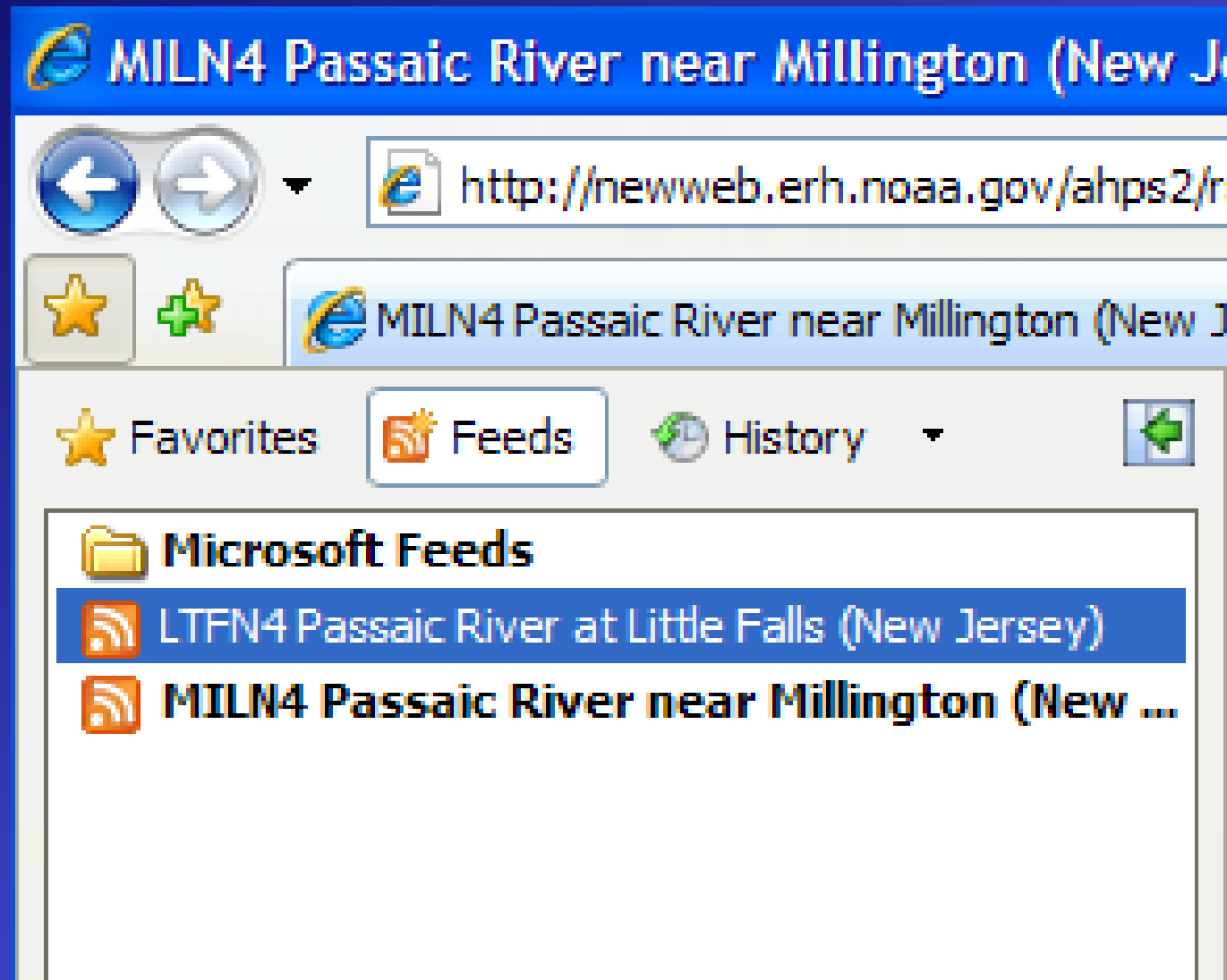


Manage message filters





# Internet Explorer



# Find Your Favorite National Weather Service RSS “feeds”

- Main NWS RSS feed page at:  
<http://www.weather.gov/rss>
- Main AHPS RSS feed page:  
<http://www.weather.gov/ahps/rss>
- Or AHPS RSS feeds can be found under the hydrograph at any river location of interest.

## 2) Choose the Data you would like to receive

### Data Options for AHPS RSS Feeds

- Observed Data
- Forecast Data
- Alert data (defined critical stages)

The screenshot shows the NOAA AHPS RSS Feeds website. The top navigation bar includes links for Home, News, Organization, and a search bar. The main content area is titled "NOAA > NWS > AHPS > RSS Feeds". Below this, there are four buttons: "RSS Feeds", "Observed", "Forecasts", and "Alerts". The "Alerts" button is circled in red. Below the buttons, the heading "Experimental RSS Feeds for Observed, Forecast and Alert River Conditions" is displayed. The text explains that this page provides access to observed and forecast river conditions in RSS/XML feeds/format. Below this, the heading "AHPS RSS Feeds for:" is followed by a bulleted list: "Observed River Conditions", "Routine Daily Forecasts of River Conditions", and "'Alert' River Conditions Based on Local Action Settings".

Home > AHPS > RSS Feeds > "Alert" River Conditions Based on Local Action Settings

The "Alerts" button is circled in red. Below the buttons, the heading "Alert River Conditions Based on Local Action Settings" is displayed, with "Alert" and "Local Action Settings" circled in red. The text explains that this page provides access to observed and forecast river conditions in RSS/XML feeds/format. Below this, a note states: "Note: The alerts utilize both observations and forecast information (where available). Forecasts are available at select river locations where data histories and forecast procedures make them possible. This RSS feed is based on the original development efforts of John Yagcecic of the Delaware River Basin Commission."



### 3) Choose the Location – you can subscribe by State

**Texas - Current Hydrologic Observations - NWS AHPS**

You are viewing a feed that contains frequently updated content. When you subscribe to a feed, it is added to the Common Feed List. Updated information from the feed is automatically downloaded to your computer and can be viewed in Internet Explorer and other programs. [Learn more about feeds.](#)

Subscribe to this feed

---

**Observation - WTYT2 - North Texas Lakes at Whitney Lake (Texas)**

→

Flood Stage: ft

Latest Observation: 534.12 ft  
Observation Time: Apr 30, 2008 01:15 PM CST

AHPS Hydrologic Service Area Homepage:  
<http://ahps.srh.noaa.gov/ahps2/index.php?vfo=ftwd>

---

**Observation - WTTT2 - Atascosa River at Whitsett (Texas)**

→

Flood Stage: 20.0 ft

Latest Observation: 2.48 ft  
Observation Time: Apr 30, 2008 01:15 PM CST

AHPS Hydrologic Service Area Homepage:  
<http://ahps.srh.noaa.gov/ahps2/index.php?vfo=crp>

---

**Observation - WRST2 - Fifteenmile Creek near Weser (Texas)**

→

Flood Stage: ft

Latest Observation: 6.1 ft  
Observation Time: Apr 30, 2008 10:15 AM CST

AHPS Hydrologic Service Area Homepage:

Displaying 430 / 430

All 430

Sort by:

▼ Date  
Title

Note: The Larger a state, typically means more forecast points, i.e. 430 locations in TX

Home > AHPS > RSS Feeds > Observed River Conditions

[RSS Feeds](#) [Observed](#) [Forecasts](#) [Alerts](#)

### Observed River Conditions

This page provides access to observed and forecast river conditions in RSS/XML feeds/format. [Comments and feedback](#) are welcome. A [Product Description Document](#) is also available.

Note: The data are from automated sensors and are generally from equipment that is maintained by the US Geological Survey (or other collaborating agencies). The data are provisional and subject to change. Data update rates are highly variable depending on the specific location of interest.

To subscribe to one of our RSS feeds below, copy the URL (web address) of the content you are interested in and insert this to your newsreader (RSS reader) or aggregator (usually as an "add feed" option).

Tennessee	<a href="#">XML</a>	<a href="#">XML</a>
Texas	<a href="#">XML</a>	<a href="#">XML</a>
Utah	<a href="#">XML</a>	<a href="#">XML</a>
Vermont	<a href="#">XML</a>	<a href="#">XML</a>
Virgin Islands	<a href="#">XML</a>	<a href="#">XML</a>
Virginia	<a href="#">XML</a>	<a href="#">XML</a>
Washington	<a href="#">XML</a>	<a href="#">XML</a>
West Virginia	<a href="#">XML</a>	<a href="#">XML</a>
Wisconsin	<a href="#">XML</a>	<a href="#">XML</a>
Wyoming	<a href="#">XML</a>	<a href="#">XML</a>

### 3) Choose the Location – Subscribe by County

Home > ANPS > RSS Feeds > Observed River Conditions for Brewster County

[RSS Feeds](#) [Observed](#) [Forecasts](#) [Alerts](#)

#### Observed River Conditions for Brewster County

This page provides access to observed and forecast river conditions in [RSS/XML feeds/format](#). [Comments and feedback](#) are welcome. A [Product Description Document](#) is also available.

Note: The data are from automated sensors and are generally from equipment that is maintained by the US Geological Survey ([or other collaborating agencies](#)). The data are provisional and subject to change. Data update rates are highly variable depending on the specific location of interest.

To subscribe to one of our RSS feeds below, copy the URL (web address) of the content you are interested in and insert this to your newsreader (RSS reader) or aggregator (usually as an "add feed" option).

Texas Counties	Observed	Forecast	Alerts
Alpine Creek at Alpine (ANBT2)	<a href="#">XML</a>	N/A	<a href="#">XML</a>
Rio Grande at Boquillas (BOQT2)	<a href="#">XML</a>	<a href="#">XML</a>	<a href="#">XML</a>
Rio Grande at Castolon (CSTT2)	<a href="#">XML</a>	N/A	<a href="#">XML</a>
Rio Grande at Heath Canyon (HECT2)	<a href="#">XML</a>	N/A	<a href="#">XML</a>
Rio Grande at Johnson Ranch (TELT2)	<a href="#">XML</a>	N/A	<a href="#">XML</a>
Rio Grande at Lajitas (TGAT2)	<a href="#">XML</a>	N/A	<a href="#">XML</a>
Terlingua Creek near Terlingua Creek 7S Terlingua (TNGT2)	<a href="#">XML</a>	N/A	<a href="#">XML</a>

[Return to RSS Home](#)

#### About RSS

RSS is an XML based document format for syndicating news and other timely news-like information. It provides headlines, URLs to the source document and brief description information in an easy to understand and use format. RSS based "News Readers" and "News Aggregators" allow the display of RSS headlines on workstation desktops. Software libraries exist to read the RSS format and present RSS headlines on webpages and other online applications.

These NWS supplied RSS documents use the RSS 2.0 format. Each RSS item links to the html/web documents described above. Additional technical information is available from the following non-US Government website:

[RSS Feeds](#) [Observed](#) [Forecasts](#) [Alerts](#)

#### Observed River Conditions for Texas Counties

This page provides access to observed and forecast river conditions in [RSS/XML feeds/format](#). [Comments and feedback](#) are welcome. A [Product Description Document](#) is also available.

Note: The data are from automated sensors and are generally from equipment that is maintained by the US Geological Survey ([or other collaborating agencies](#)). The data are provisional and subject to change. Data update rates are highly variable depending on the specific location of interest.

To subscribe to one of our RSS feeds below, copy the URL (web address) of the content you are interested in and insert this to your newsreader (RSS reader) or aggregator (usually as an "add feed" option).

Texas Counties	Gauges
Anderson (TXC001)	<a href="#">XML</a>
Angelina (TXC005)	<a href="#">XML</a>
Archer (TXC009)	<a href="#">XML</a>
Armstrong (TXC011)	<a href="#">XML</a>
Austin (TXC015)	<a href="#">XML</a>
Bandera (TXC019)	<a href="#">XML</a>
Bastrop (TXC021)	<a href="#">XML</a>
Baylor (TXC023)	<a href="#">XML</a>
Bee (TXC025)	<a href="#">XML</a>
Bell (TXC027)	<a href="#">XML</a>
Bexar (TXC029)	<a href="#">XML</a>
Blanco (TXC031)	<a href="#">XML</a>
Bosque (TXC035)	<a href="#">XML</a>
Bowie (TXC037)	<a href="#">XML</a>
Brazoria (TXC039)	<a href="#">XML</a>
Brazos (TXC041)	<a href="#">XML</a>
Brewster (TXC043)	<a href="#">XML</a>
Briscoe (TXC045)	<a href="#">XML</a>
Brooks (TXC047)	<a href="#">XML</a>
Brown (TXC049)	<a href="#">XML</a>
Burleson (TXC051)	<a href="#">XML</a>
Burnet (TXC053)	<a href="#">XML</a>

# 3) Choose the Location – subscribe by Individual Forecast Location

[RSS Feeds](#) [Observed](#) [Forecasts](#) [Alerts](#)

## Rio Grande at Candelaria (CDET2)

This page provides access to observed and forecast river conditions in RSS/XML feeds/format. [Comments and feedback](#) are welcome. A [Product Description Document](#) is also available.

To subscribe to one of our RSS feeds below, copy the URL (web address) of the content you are interested in and insert this to your newsreader (RSS reader) or aggregator (usually as an "add feed" option).

Rio Grande at Candelaria (CDET2)	Observed	Forecast	Alerts
Rio Grande at Candelaria (CDET2)	<a href="#">XML</a>	N/A	<a href="#">XML</a>

[Return to RSS Home](#)

### About RSS

RSS is an XML based document format for syndicating news and other timely news-like information. It provides headlines, URLs to the source document and brief description information in an easy to understand and use format. RSS based "News Readers" and "News Aggregators" allow the display of RSS headlines on workstation desktops. Software libraries exist to read the RSS format and present RSS headlines on webpages and other online applications.

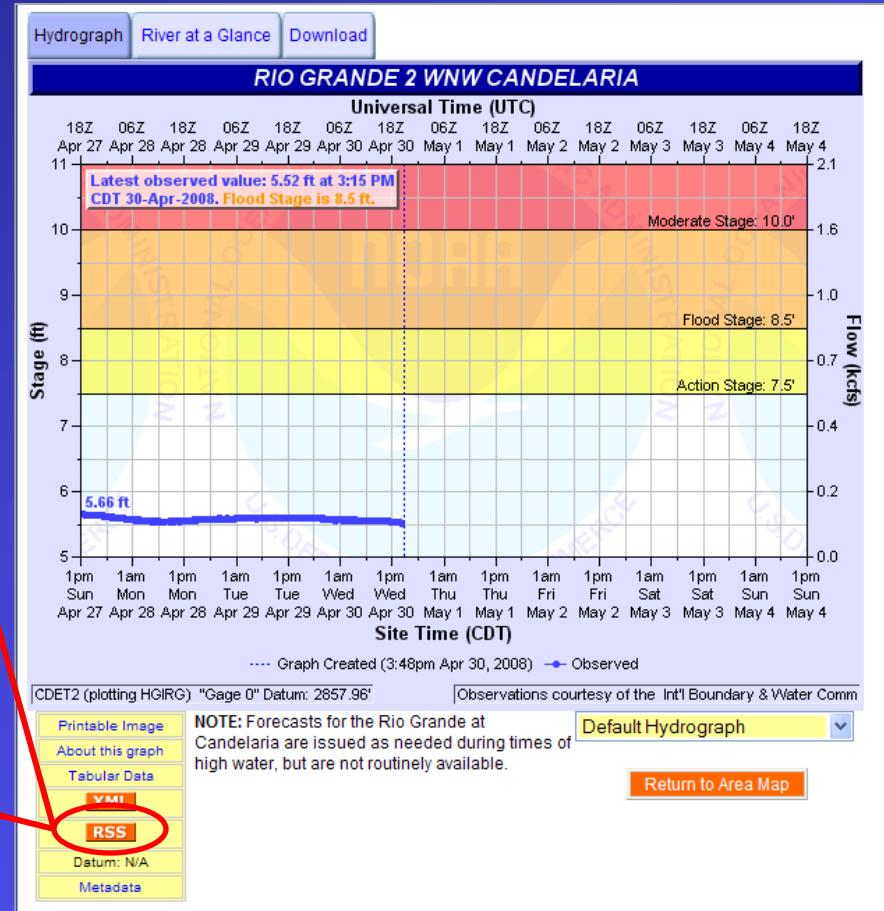
These NWS supplied RSS documents use the RSS 2.0 format. Each RSS item links to the html/web documents described above. Additional technical information is available from the following non-US Government website:

[RSS 2.0 Specification](#)

A non-US Government maintained list of RSS readers, aggregators and related software:

[RSS Software](#)

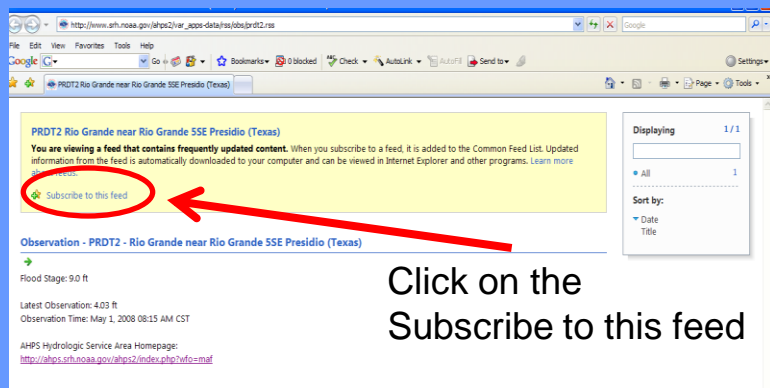
[Comments](#) on this service will be accepted until July 31, 2007. Your feedback will help determine the future of this product.





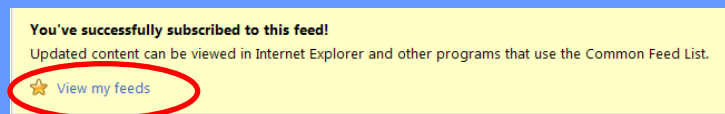
# 4) Completing the process

## Example if Using IE.



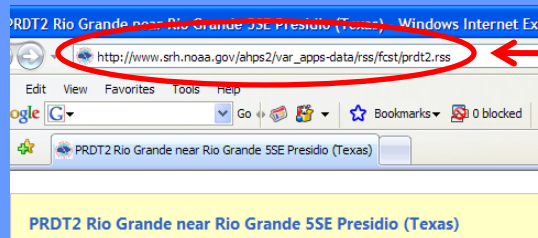
Click on the  
Subscribe to this feed

## Pop Up that indicates Success!



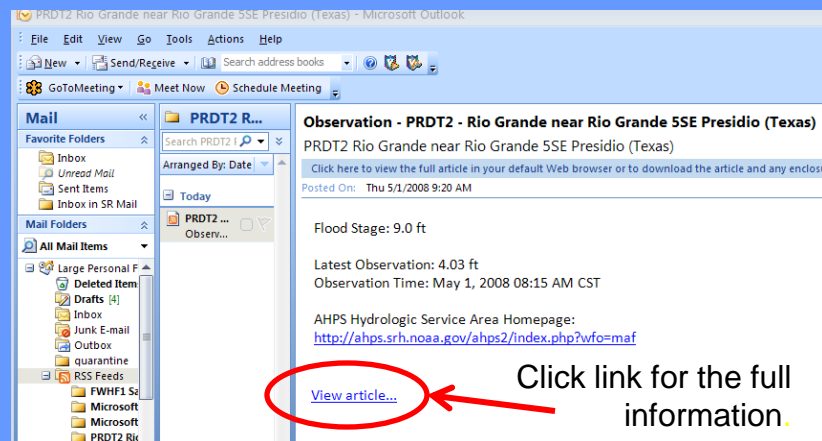
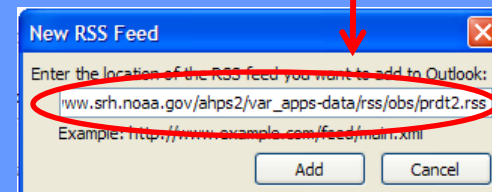
Link that will direct  
you to all of your  
RSS feeds for IE.

## Example with MS Outlook (mail browser)



Copy the RSS  
feed URL

Select a new feed and  
into your RSS Feed  
Email .



Click link for the full  
information.

# There are many options for how to receive RSS feeds!!!

Subscription process uses email address(es) for the notification:

- work email [joe.atwork@lovemyjob.gov](mailto:joe.atwork@lovemyjob.gov)
- personal email [jane.home@lovemykidsandthedog.com](mailto:jane.home@lovemykidsandthedog.com)
- cell phone [6315555555@mycellphoneiswonderful.com](mailto:6315555555@mycellphoneiswonderful.com)

## My Feeds

Hello laurie.hogan! You are currently subscribed to the following feeds:

Feed Name	XML	Last Posting	Unsubscribe
Pennsylvania - (Philadelphia/PAZ071) - Current Watches, Warnings and Advisories for Pennsylvania Issued by the National Weather Service (1)	<a href="#">XML</a>	2006-11-09 11:53:51.0	<a href="#">Unsubscribe</a>

## Add Feed

To subscribe to a new feed, simply paste the RSS or Atom feed URL here:

Subscribe

For the really ambitious!!



May 7, 2008

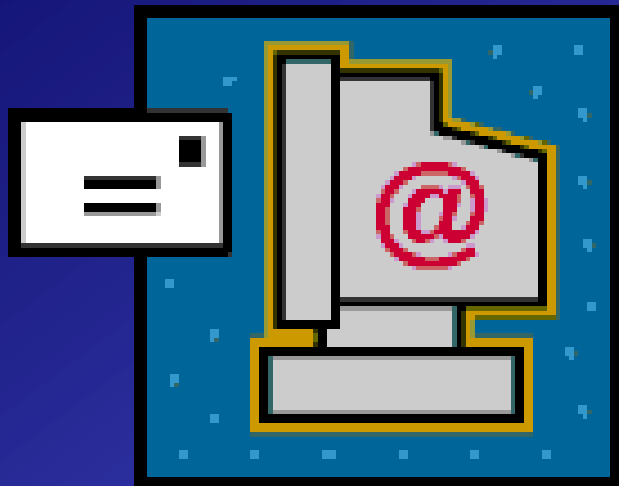
Advanced Hydrologic Prediction Service  
RSS Feeds





National Weather Service

Advanced Hydrologic Prediction Service



Any questions:

[Diane.Cooper@noaa.gov](mailto:Diane.Cooper@noaa.gov)



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RSS Feeds

May 7, 2008